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9/26/2003

SHEET 1 OF 2

FORM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office		ATTY. DOCKET NO. 0148.01	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT U. Bernier et al.	
(Use several sheets if necessary)		FILING DATE	GROUP

**U.S. PATENT DOCUMENTS**


**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLAS S	SUBCLAS S	TRANSLATION	
					YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

S	Saini et al., "A Behavioural Bioassay to Identify Attractive Odours for Glossinidae", (Medical and Veterinary Entomology, (1987), Vol. 1, No. 3, pp. 313-18), STN/CAS online, file Medline, Abstract.
S	Mihok et al., "Trials of Traps and Attractants for Stomoxys spp. Diptera: Muscidae", (Journal of Medical Entomology, (1995) Vol. 32, No. 3, pp. 283-89). STM/CAS online, file BIOSIS, Abstract.
S	Voskamp et al., "Olfactory Responses to Attractants and Repellants in Tsetse", (Medical and Veterinary Entomology, (1999) Vol. 13, No. 4, pp. 386-92), STN/CAS online, file BIOSIS, Abstract.
S	Laye et al., "Chemical, Microbiological and Sensory Properties of Plain Nonfat Yogurt", (1993), (Journal of Food Science, Vol. 58, No. 5, pp. 991-95.)

EXAMINER

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DATE CONSIDERED

3/17/2006

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## FOREIGN PATENT DOCUMENTS

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							YES
							NO

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JL	-	Granata et al., "Improved Acid, Flavor and Volatile Compound Production in a High Protein and Fiber Soymilk Yogurt-like Product", (1996), (Journal of Food Science, Vol. 61, No. 2, pp. 331-36.)
JL		Hosono et al., "Metabolism of Brevibacterium Linens and Its Application." (Rakuno Kagaku No Kenkyu(1969), Vol. 18, No. 6, pp. A164-A169), STN/CAS online, file CAPLUS, Abstract.)
JL	-	Hansen et al., "Flavour of Sourdough Rye Bread Crumb", (1989), Lebensm.-Wiss.u.-Technol., Bol. 22, pp. 141-144.)
JL	-	Smith et al., (L-lactic Acid as a Factor in the Attraction of Aedes Aegyptic (Diptera: Culicidae) to Human Hosts, Ann. Entomol. Soc. Amer. (1970), Vol. 63, No.3, pp. 760-70.)

EXAMINER	JL	DATE CONSIDERED	B/13/2006
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FORM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office		ATTY. DOCKET NO. <b>0184.03</b>	SERIAL NO.
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		APPLICANT <b>U. Bernier et al.</b>	
		FILING DATE	GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLAS S	SUBCLA SS	FILING DATE IF APPROPRIATE
DC		5	9	4	3	8	1	5	Mar. 14 1997	J. Paganessi et al.	43	107		

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER								DATE	COUNTRY	CLAS S	SUBCLA SS	TRANSLATION		
															YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

SL	Eugene W. Seitz, "Microbial and Enzyme-Induced Flavors in Dairy Foods", <u>J. Dairy Sci.</u> , Vol. 73, pp. 3664-3691, (1990).
DC	STN/CAS online, file CROPUS, Acc. No. 1998-89883 (Kline et al., J. Am. Mosq. Control Assoc., Vol. 14(3), pp. 289-297 (1998)), Abstract.

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	3/17/2004

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Sheet 1 of 4

Form 1449*	Atty. Docket No.: 862.003US1	Serial No. 09/304,362
	Applicant: Ulrich R. Bernier et al.	
	Filing Date: May 4, 1999	Group: 1614
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
SL	4,166,112	08/28/1979	Goldberg, L.J.	424	93	03/20/78
SL	4,187,200	02/05/1980	Jenkin, W.C.	252	472	06/20/78
SL	4,818,526	04/04/1989	Wilson, R.A., et al.	424	84	08/29/86
SL	4,907,366	03/13/1990	Balfour, R.S.	43	132.1	09/27/89
SL	5,657,756	08/19/1997	Vrba, J., et al.	128	653.1	06/07/95
SL	5,679,364	10/21/1997	Levy, R.	424	405	06/07/95

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes   No
SL	98/26661	06/25/1998	PCT	A01N	37/36	

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

✓	Acree Jr., F., et al., "L-Lactic Acid: A Mosquito Attractant Isolated from Humans", <u>Science</u> , 161, 1346-1347, (Sept. 2, 1968)
-	Bar-Zeev, M., et al., "Studies on the Attraction of Aedes Aegypti (Diptera: Culicidae) to Man", <u>Journal of Medical Entomology</u> , 14 (1), 113-120, (Aug. 20, 1977)
✓	Bernier, J.R., "Mass Spectrometric Investigation of Mosquito Attraction to Human Skin Emanations", Ph.D. Thesis presented at the University of Florida, Published by UMI Dissertation Services, Ann Arbor, MI, 1-333 p., (1995)
✓	Bernier, J.R., et al., "Analysis of Human Skin Emanations by Gas Chromatography/Mass Spectrometry. 1. Thermal Desorption of Attractants for the Yellow Fever Mosquito (Aedes aegypti) from Handled Glass Beads", <u>Analytical Chemistry</u> , 71 (1), Accelerated Articles, 1-7 p., (Jan. 1, 1999)
-	Bowen, M.F., et al., "Lactic Acid Sensitive Receptors in the Autogenous Mosquito Aedes atropalpus", <u>Journal of Insect Physiology</u> , 40 (7), 611-615, (1994)
-	Braks, M.A., et al., "Incubated Human Sweat But Not Fresh Sweat Attracts the Malaria Mosquito Anopheles gambiae Sensu Stricto", <u>Journal of Chemical Ecology</u> , 25 (3), 663-672, (1999)
✓	Carlson, D.A., et al., "Carbon Dioxide Released from Human Skin: Effect of Temperature and Insect Repellents", <u>Journal of Medical Entomology</u> , 29 (2), 165-170, (1992)

Examiner

*Dale Bernier*

Date Considered

3/17/2006

Substitute Disclosure Statement Form (PTO-1449)

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Form 1449*	Atty. Docket No.: 862.003 JS1	Serial No. 09/304,362
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Ulrich R. Bernier et al.	
	Filing Date: May 4, 1999	Group: 1614

OTHER DOCUMENTS  
(Including Author, Title, Date, Pertinent Pages, etc.)

*[Signature]* Examiner Initial

- Carlson, D.A., et al., "Yellowfever Mosquitoes: Compounds Related to Lactic Acid that Attract Females", Journal of Economic Entomology, 66 (2), 329-331, (April 1973)
- Charlwood, J.D., et al., "Mosquito-Mediated Attraction of Female European but not African Mosquitoes to Hosts", Annals of Tropical Medicine and Parasitology, 89 (3), 327-329, (1995)
- Davis, E.E., "Development of Lactic Acid-Receptor Sensitivity and Host-Seeking Behaviour in Newly Emerged Female Aedes Aegypti Mosquitoes", Journal of Insect Physiology, 30 (3), 211-215, (1984)
- Davis, E.E., "Structure-Response Relationship of the Lactic Acid-Excited Neurones in the Antennal Grooved-Peg Sensilla of the Mosquito Aedes Aegypti", Journal of Insect Physiology, 34 (6), Printed in Great Britain, 443-449, (1988)
- de Jong, R., et al., "Olfactory Responses of Host-Seeking Anopheles gambiae s.s. Giles (Diptera: Culicidae)", Acta Tropica, 59, 333-335, (1995)
- De Jong, R., et al., "Selection of Biting Sites on Man by Two Malaria Mosquito Species", Experientia 51, 80-84, (1995)
- Eiras, A.E., et al., "Host Location by Aedes aegypti (Diptera: Culicidae): a Wind Tunnel Study of Chemical Cues", Bulletin of Entomological Research, 81, 151-160, (1991)
- Eiras, A.E., et al., "Responses of Female Aedes aegypti (Diptera: Culicidae) to Host Odours and Convection Currents Using an Olfactometer Bioassay", Bulletin of Entomological Research, 84, 207-211, (1994)
- Geier, M., et al., "A search for Components in Human Body Odour that Attract Females of Aedes Aegypti", Ciba Foundation Symposium 200 on Olfaction in Mosquito-Host Interactions, 132-148, (1996)
- Gilles, M.T., "The Role of Carbon Dioxide in Host-Finding by Mosquitoes (Diptera: Culicidae) a review", Bulletin of Entomological Research, 70 (1), 525-532, (March 1980)

Examiner	Date Considered
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*[Signature]*

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**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, Etc.)

\*\*Examiner Initial

*SC*

Guoock, H.K., et al., "Responses of Mosquitoes and Stable Flies to a Man in a Light-Weight Rubber Diving Suit", Journal of Economic Entomology, 55 (3), 386-392, (1962)

- Ikeshoji, T., "Synergistic Effect of Lactic Acid with a Chemosterilant Metepa to the Sound-Attracted Male Mosquito", Jpn. J. Sanit. Zool., 38 (4), 333-338, (1987)

- Kline, D.L., "Olfactory Responses and Field Attraction of Mosquitoes to Volatiles from Limburger Cheese and Human Foot Odor", Journal of Vector Ecology, 23 (2), 186-194, (Dec. 1998)

- Kline, D.L., et al., "Field Studies on the Potential of Butanone, Carbon Dioxide, Honey Extract, 1-octen-3-ol, L-Lactic Acid and Phenols as Attractants for Mosquitoes", Medical and Veterinary Entomology, 34, 383-391, (1990)

- Knols, B.G., et al., "Behavioural and Electrophysiological Responses of the Female Malaria Mosquito Anopheles gambiae (Diptera: Culicidae) to Limburger Cheese Volatiles", Bulletin of Entomological Research, 87, 151-159, (1997)

- Knols, B.G., et al., "Limburger Cheese as an Attractant for the Malaria Mosquito Anopheles gambiae s.s.", Parasitology Today, 12 (4), 159-161, (1996)

- Mboera, L.E., et al., "Olfactory Responses of Female Culex quinquefasciatus Say (Diptera: Culicidae) in a Dual-Choice Olfactometer", Journal of Vector Ecology, 23 (2), 107-113, (Dec. 1998)

- McCall, P.J., et al., "Attraction and Trapping of Aedes aegypti (Diptera: Culicidae) with Host Odors in the Laboratory", Journal of Medical Entomology, 33 (1), 177-179, (1996)

- Posey, K.H., et al., "Triple Cage Olfactometer for Evaluating Mosquito (Diptera: Culicidae) Attraction Responses", Journal of Medical Entomology, 35 (3), 330-334, (1998)

*PJ*

Price, G.D., et al., "The Attraction of Female Mosquitoes (Anopheles quadrimaculatus SAY) to Stored Human Emanations in Conjunction with Adjusted Levels of Relative Humidity, Temperature, and Carbon Dioxide", Journal of Chemical Ecology, 5 (3), 383-395, (1979)

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\*Substitute Disclosure Statement Form (PTO-1449)

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**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, etc.)

\*\*Examiner Initials

*SC*

- Rudolfs, W., "Chemotropism of Mosquitoes", New Jersey Agricultural Experiment Stations, Bulletin 367, New Brunswick, NJ, 1-23 p., (March 1922)
- Schreck, C.E., et al., "A Material Isolated from Human Hands that Attracts Female Mosquitoes", Journal of Chemical Ecology, 8 (2), 429-438, (1981)
- Schreck, C.E., et al., "Mosquito Attraction to Substances from the Skin of Different Humans", Journal of the American Mosquito Control Association, 6 (3), 406-410, (Sept. 1990)
- Takken, W., "The Role of Olfaction in Host-seeking of Mosquitoes: A Review", Insect Sci. Applic., 12 (1/2/91, 187-294, '1991)
- Takken, W., et al., "Carbon Dioxide and 1-Octen-3-OL as Mosquito Attractants", Journal of the American Mosquito Control Association, 5 (3), 311-316, (Sept. 1989)
- Takken, W., et al., "Odor-Mediated Behavior of Afro-tropical Malaria Mosquitoes", Annu. Rev. Entomol., 44, 131-157, (1999)
- Takken, W., et al., "Odor-Mediated Flight Behavior of Anopheles gambiae Giles Sensu Stricto and An. stephensi Liston in Response to Carbon Dioxide, Acetone, and 1-Octen-3-ol (Diptera: Culicidae)", Journal of Insect Behavior, 10 (3), 395-407, (May 1997)
- Vale, G.A., et al., "The Use of 1-octen-3-ol, Acetone, and Carbon Dioxide to Improve Baits for Tsetse Flies, Glossina spp (Diptera: Glossinidae)", Bull. Ent. Res., 75, 219-231, (1985)
- Van Essen, P.H., et al., "Differential Responses of Aedes and Culex Mosquitoes to Octenol or Light in Combination with Carbon Dioxide in Queensland, Australia", Medical and Veterinary Entomology, 63-67, (1993)
- Wensler, R.J., "The Effect of Odors on the Behavior of Adult Aedes aegypti and Some Factors Limiting Responsiveness", Circ. J. Zool., 50, 415-420, (1972)
- SC*
- Willis, E.R., et al., "Reactions of Aedes Aegypti (L.) to Carbon Dioxide", J. Exp. Zool., 121, 149-179, (1952)

Examiner

*John Ober*

Date Considered

*5/17/2006*

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